



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

**MEMORANDUM**

**DATE:** February 2, 2005

**SUBJECT:** Request for Screening Vapor Intrusion Analysis - Ellsworth Industrial Park, Downers Grove, IL (Site ID B52A)

**FROM:** Ross del Rosario, RPM

**TO:** Arunas Draugelis, Toxicologist

I am requesting a screening analysis for potential vapor intrusion of contaminants from monitoring and residential wells around the Ellsworth Industrial Park, per our discussion yesterday. Attached you will find pertinent data to assist you in completing the analysis. In addition to the attached, please use the following data as part of your calculation:

Residential Well Data:

Hydraulic Conductivity:

GW Flow:

TCE - 16.6 ug/L

0.0016 ft/ft

South-Southeast

PCE - 14.0 ug/L

1,1,1 TCA - 6.3 ug/L

I would like you to provide me with a transmittal memo containing the following information:

1. Printouts/output from modeling exercise you performed using both the monitoring well and residential well data, using the calculated hydraulic conductivity and geological data provided;
2. Your evaluation of the output data. To the extent you are able to, please elaborate if vapor intrusion is a real or potential problem at this location;
3. Recommendation(s) or conclusion(s), if any, you may have after evaluating the data.

Your assistance on this matter is greatly appreciated. Due to importance of this analysis on the project, I would like to have your transmittal memo completed no later than February 8, 2005. Thank you.

EPA Region 5 Records Ctr.



265610

Table 4-4 (continued)  
 AREA 7  
 Tricon Property

(All units in ug/L)

Sample Identification	BD-16(D)	BD-17(D)	BD-18(D)
Depth (feet)	74-84	81-91	81-91
Date Sampled	6/19/02	6/20/02	6/20/02
Parameter			
1,1,1 TCA	1.3	---	---
1,1-DCA	---	---	---
1,1-DCE	---	---	---
cis - 1,2 DCE	---	3.2	---
trans - 1,2 DCE	---	---	---
Tetrachloroethene (PCE)	0.69 J	0.96 J	---
Trichloroethene (TCE)	40	13	---
Acetone	---	---	---
2-Butanone	---	---	---
Toluene	---	---	---
1,2,4-Trimethylbenzene	---	---	---
Ethyl Benzene	---	---	---
m/p xylene	---	---	---
o-xylene	---	---	---
Dichlorodifluoromethane	---	---	---
Iodomethane	---	---	---
Naphthalene	---	---	---

--- - not detected.